

## Refine Search

### Search Results -

Terms	Documents
L24 and (default near state)	0

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L25

Refine Search

Recall Text

Clear

Interrupt

### Search History

DATE: Thursday, June 01, 2006   [Printable Copy](#)   [Create Case](#)

**Set Name Query**  
 side by side

**Hit Count Set Name**  
 result set

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR*

<u>L25</u>	L24 and (default near state)	0	<u>L25</u>
<u>L24</u>	(L21 or L22) and L12	32	<u>L24</u>
<u>L23</u>	(L21 or L22) and L7	0	<u>L23</u>
<u>L22</u>	709/219.ccls.	3730	<u>L22</u>
<u>L21</u>	709/217.ccls.	4032	<u>L21</u>
<u>L20</u>	(L18 or L19) and (default near state)	0	<u>L20</u>
<u>L19</u>	L17 and L7	2	<u>L19</u>
<u>L18</u>	L16 and L7	15	<u>L18</u>
<u>L17</u>	709/\$.ccls.	44960	<u>L17</u>
<u>L16</u>	707/\$.ccls.	34979	<u>L16</u>
<u>L15</u>	L14 and ("default state")	1	<u>L15</u>
<u>L14</u>	L12 and index\$3	522	<u>L14</u>
<u>L13</u>	L12 and L10	0	<u>L13</u>
<u>L12</u>	query same multiple same ("search engine")	686	<u>L12</u>

<u>L11</u>	L1 and L10	0	<u>L11</u>
<u>L10</u>	compar\$3 same content same ((remote or local) near device)	67	<u>L10</u>
<u>L9</u>	compar\$ same content same ((remote or local) near device)	93	<u>L9</u>
<u>L8</u>	L7 and ("default state")	0	<u>L8</u>
<u>L7</u>	(L6 or L4) and ("search engine")	34	<u>L7</u>
<u>L6</u>	L5 not L4	18	<u>L6</u>
<u>L5</u>	L3 and ((single or combin\$3) near result\$1)	37	<u>L5</u>
<u>L4</u>	L3 and ((single or combin\$) near result\$1)	36	<u>L4</u>
<u>L3</u>	L2 and index\$3	478	<u>L3</u>
<u>L2</u>	L1 and (compar\$3 same search)	1047	<u>L2</u>
<u>L1</u>	search same multiple same device\$1	3567	<u>L1</u>

END OF SEARCH HISTORY

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### Search Results -

Terms	Documents
L24 and (default near state)	0

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 JPO Abstracts Database  
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 IBM Technical Disclosure Bulletins

Search:

L25

Refine Search

Recall Text

Clear

Interrupt

### Search History

DATE: Thursday, June 01, 2006   [Printable Copy](#)   [Create Case](#)

#### Set Name Query

side by side

#### Hit Count Set Name

result set

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR*

<u>L25</u>	L24 and (default near state)	0	<u>L25</u>
<u>L24</u>	(L21 or L22) and L12	32	<u>L24</u>
<u>L23</u>	(L21 or L22) and L7	0	<u>L23</u>
<u>L22</u>	709/219.ccls.	3730	<u>L22</u>
<u>L21</u>	709/217.ccls.	4032	<u>L21</u>
<u>L20</u>	(L18 or L19) and (default near state)	0	<u>L20</u>
<u>L19</u>	L17 and L7	2	<u>L19</u>
<u>L18</u>	L16 and L7	15	<u>L18</u>
<u>L17</u>	709/\$.ccls.	44960	<u>L17</u>
<u>L16</u>	707/\$.ccls.	34979	<u>L16</u>
<u>L15</u>	L14 and ("default state")	1	<u>L15</u>
<u>L14</u>	L12 and index\$3	522	<u>L14</u>
<u>L13</u>	L12 and L10	0	<u>L13</u>
<u>L12</u>	query same multiple same ("search engine")	686	<u>L12</u>

<u>L11</u>	L1 and L10	0	<u>L11</u>
<u>L10</u>	compar\$3 same content same ((remote or local) near device)	67	<u>L10</u>
<u>L9</u>	compar\$ same content same ((remote or local) near device)	93	<u>L9</u>
<u>L8</u>	L7 and ("default state")	0	<u>L8</u>
<u>L7</u>	(L6 or L4) and ("search engine")	34	<u>L7</u>
<u>L6</u>	L5 not L4	18	<u>L6</u>
<u>L5</u>	L3 and ((single or combin\$3) near result\$1)	37	<u>L5</u>
<u>L4</u>	L3 and ((single or combin\$) near result\$1)	36	<u>L4</u>
<u>L3</u>	L2 and index\$3	478	<u>L3</u>
<u>L2</u>	L1 and (compar\$3 same search)	1047	<u>L2</u>
<u>L1</u>	search same multiple same device\$1	3567	<u>L1</u>

END OF SEARCH HISTORY

## Refine Search

### Search Results -

Terms	Documents
L14 and ("default state")	1

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 US Patents Full-Text Database  
 US OCR Full-Text Database  
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Search:

L15

Refine Search

Recall Text

Clear

Interrupt

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#### Set Name Query

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#### Hit Count Set Name

result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

<u>L15</u>	L14 and ("default state")	1	<u>L15</u>
<u>L14</u>	L12 and index\$3	522	<u>L14</u>
<u>L13</u>	L12 and L10	0	<u>L13</u>
<u>L12</u>	query same multiple same ("search engine")	686	<u>L12</u>
<u>L11</u>	L1 and L10	0	<u>L11</u>
<u>L10</u>	compar\$3 same content same ((remote or local) near device)	67	<u>L10</u>
<u>L9</u>	compar\$ same content same ((remote or local) near device)	93	<u>L9</u>
<u>L8</u>	L7 and ("default state")	0	<u>L8</u>
<u>L7</u>	(L6 or L4) and ("search engine")	34	<u>L7</u>
<u>L6</u>	L5 not L4	18	<u>L6</u>
<u>L5</u>	L3 and ((single or combin\$3) near result\$1)	37	<u>L5</u>
<u>L4</u>	L3 and ((single or combin\$) near result\$1)	36	<u>L4</u>
<u>L3</u>	L2 and index\$3	478	<u>L3</u>
<u>L2</u>	L1 and (compar\$3 same search)	1047	<u>L2</u>

L1 search same multiple same device\$1

3567 L1

END OF SEARCH HISTORY

## Refine Search

### Search Results -

Terms	Documents
L1 and L10	0

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
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Search:

L11

Refine Search

Recall Text

Clear

Interrupt

### Search History

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#### Set Name Query

side by side

#### Hit Count Set Name

result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

<u>L11</u>	L1 and L10	0	<u>L11</u>
<u>L10</u>	compar\$3 same content same ((remote or local) near device)	67	<u>L10</u>
<u>L9</u>	compar\$ same content same ((remote or local) near device)	93	<u>L9</u>
<u>L8</u>	L7 and ("default state")	0	<u>L8</u>
<u>L7</u>	(L6 or L4) and ("search engine")	34	<u>L7</u>
<u>L6</u>	L5 not L4	18	<u>L6</u>
<u>L5</u>	L3 and ((single or combin\$3) near result\$1)	37	<u>L5</u>
<u>L4</u>	L3 and ((single or combin\$) near result\$1)	36	<u>L4</u>
<u>L3</u>	L2 and index\$3	478	<u>L3</u>
<u>L2</u>	L1 and (compar\$3 same search)	1047	<u>L2</u>
<u>L1</u>	search same multiple same device\$1	3567	<u>L1</u>

END OF SEARCH HISTORY

## Refine Search

### Search Results -

Terms	Documents
L17 and (display\$3 near (amalgamat\$ or combin\$3) near result)	1

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
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Search:

L18

Refine Search

Recall Text

Clear

Interrupt

### Search History

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<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L18</u>	L17 and (display\$3 near (amalgamat\$ or combin\$3) near result)	1	<u>L18</u>
<u>L17</u>	L13 and (display\$3 same (amalgamat\$ or combin\$3) same result)	28	<u>L17</u>
<u>L16</u>	L14 and (display\$3 same (amalgamat\$ or combin\$3) same result)	0	<u>L16</u>
<u>L15</u>	L14 and (display\$3 same result)	1	<u>L15</u>
<u>L14</u>	L13 and (default near state)	1	<u>L14</u>
<u>L13</u>	L12 and ((compar\$3 or match\$3) same term)	164	<u>L13</u>
<u>L12</u>	L11 and l2	309	<u>L12</u>
<u>L11</u>	(query or querying) same multiple same ("search engine")	691	<u>L11</u>
<u>L10</u>	L9 and L3	1	<u>L10</u>
<u>L9</u>	707/1-7.ccls.	15875	<u>L9</u>
<u>L8</u>	L7 and (default near state)	0	<u>L8</u>
<u>L7</u>	L6 and state	3	<u>L7</u>
<u>L6</u>	L5 and index\$3	3	<u>L6</u>



<u>L5</u>	L3 and (display\$3 same result\$1)	8	<u>L5</u>
<u>L4</u>	L3 and ((amalgamat\$ or combin\$3) same result\$1)	0	<u>L4</u>
<u>L3</u>	L1 and L2	18	<u>L3</u>
<u>L2</u>	search same (local or remote)	34089	<u>L2</u>
<u>L1</u>	(compar\$3 or match\$3) same content same ((remote or local) near device)	113	<u>L1</u>

END OF SEARCH HISTORY

## Refine Search

### Search Results -

Terms	Documents
L7 and (default near state)	0

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L8

Refine Search

Recall Text

Clear

Interrupt

### Search History

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<u>Set</u> <u>Name</u> side by side	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L8</u>	L7 and (default near state)	0	<u>L8</u>
<u>L7</u>	L6 and state	3	<u>L7</u>
<u>L6</u>	L5 and index\$3	3	<u>L6</u>
<u>L5</u>	L3 and (display\$3 same result\$1)	8	<u>L5</u>
<u>L4</u>	L3 and ((amalgamat\$ or combin\$3) same result\$1)	0	<u>L4</u>
<u>L3</u>	L1 and L2	18	<u>L3</u>
<u>L2</u>	search same (local or remote)	34089	<u>L2</u>
<u>L1</u>	(compar\$3 or match\$3) same content same ((remote or local) near device)	113	<u>L1</u>

END OF SEARCH HISTORY

## Refine Search

### Search Results -

Terms	Documents
L7 and ("default state")	0

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L8

Refine Search

Recall Text

Clear

Interrupt

### Search History

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**Set Name**   **Query**  
 side by side

**Hit Count**   **Set Name**  
 result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

<u>L8</u>	L7 and ("default state")	0	<u>L8</u>
<u>L7</u>	(L6 or L4) and ("search engine")	34	<u>L7</u>
<u>L6</u>	L5 not L4	18	<u>L6</u>
<u>L5</u>	L3 and ((single or combin\$3) near result\$1)	37	<u>L5</u>
<u>L4</u>	L3 and ((single or combin\$) near result\$1)	36	<u>L4</u>
<u>L3</u>	L2 and index\$3	478	<u>L3</u>
<u>L2</u>	L1 and (compar\$3 same search)	1047	<u>L2</u>
<u>L1</u>	search same multiple same device\$1	3567	<u>L1</u>

END OF SEARCH HISTORY



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1 [Information retrieval session 8: efficiency: Operational requirements for scalable](#)



[search systems](#)

Abdur Chowdhury, Greg Pass

November 2003 **Proceedings of the twelfth international conference on Information and knowledge management**

**Publisher:** ACM Press

Full text available: [pdf\(294.93 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Prior research into search system scalability has primarily addressed query processing efficiency [1, 2, 3] or indexing efficiency [3], or has presented some arbitrary system architecture [4]. Little work has introduced any formal theoretical framework for evaluating architectures with regard to specific operational requirements, or for comparing architectures beyond simple timings [5] or basic simulations [6, 7]. In this paper, we present a framework based upon queuing network theory for analyzing ...

**Keywords:** operational requirements, search scalability

2 [Web searching: Specialisation dynamics in federated web search](#)



Rinat Khousainov, Nicholas Kushmerick

November 2004 **Proceedings of the 6th annual ACM international workshop on Web information and data management**

**Publisher:** ACM Press

Full text available: [pdf\(138.32 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Organising large-scale Web information retrieval systems into hierarchies of topic-specific search resources can improve both the quality of results and the efficient use of computing resources. A promising way to build such systems involves federations of topic-specific search engines in decentralised search environments. Most of the previous research concentrated on various technical aspects of such environments (e.g. routing of search queries or merging of results from multiple sources). We ...

**Keywords:** competition, federated web search, topic specialisation

Results 1 - 2 of 2

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Relevance scale ☐ ☐ ☐ ☐ ☐

1 [A specialized computer architecture for text retrieval](#)



David C. Roberts

August 1978 **ACM SIGIR Forum , ACM SIGARCH Computer Architecture News , ACM**

**SIGMOD Record**, Volume 13 , 7 , 10 Issue 2 , 2 , 1

**Publisher:** ACM Press

Full text available: [pdf\(779.71 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

This paper describes a specialized computer architecture for text retrieval that provides a wide range of query capabilities, without the use of indexes of the material retrieved. A distributed approach is employed, with direct search processors. Each search processor is closely associated with one or more disk drives that store the data to be searched and each consists of a comparator for matching query terms, logic elements to combine query terms, a disk controller and a control minicomputer.T ...

2 [Information retrieval session 8: efficiency: Operational requirements for scalable search systems](#)



Abdur Chowdhury, Greg Pass

November 2003 **Proceedings of the twelfth international conference on Information and knowledge management**

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**Keywords:** operational requirements, search scalability


3 [A specialized computer architecture for text retrieval](#)



David C. Roberts

August 1978 **Pr ceedings f the fourth workshop on Computer architecture for non-numeric processing**

**Publisher:** ACM Press

Full text available:  [pdf\(677.91 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

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#### 4 [Hardware systems for text information retrieval](#)



Lee A. Hollaar

June 1983 **ACM SIGIR Forum , Proceedings of the 6th annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '83**, Volume 17 Issue 4

**Publisher:** ACM Press

Full text available:  [pdf\(747.80 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

As databases become very large, conventional digital computers cannot provide satisfactory response time. This is particularly true for text databases, which must often be several orders of magnitude larger than formatted databases to store a useful amount of information. Even the standard techniques for improving system performance (such as inverted files) may not be sufficient to give the desired performance, and the use of an unconventional hardware organization may become necessary. A variety ...

#### 5 [Web searching: Specialisation dynamics in federated web search](#)



Rinat Khoussainov, Nicholas Kushmerick

November 2004 **Proceedings of the 6th annual ACM international workshop on Web information and data management**

**Publisher:** ACM Press

Full text available:  [pdf\(138.32 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

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**Keywords:** competition, federated web search, topic specialisation

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1 [A specialized computer architecture for text retrieval](#)



David C. Roberts

August 1978 **ACM SIGIR Forum , ACM SIGARCH Computer Architecture News , ACM SIGMOD Record**, Volume 13 , 7 , 10 Issue 2 , 2 , 1

**Publisher:** ACM Press

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Abdur Chowdhury, Greg Pass

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**Publisher:** ACM Press

Full text available: [pdf\(294.93 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

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**Publisher:** ACM Press

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**Publisher:** ACM Press

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1 [A specialized computer architecture for text retrieval](#)



David C. Roberts

August 1978 **ACM SIGIR Forum , ACM SIGARCH Computer Architecture News , ACM**

**SIGMOD Record**, Volume 13 , 7 , 10 Issue 2 , 2 , 1

**Publisher:** ACM Press

Full text available: [pdf\(779.71 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

This paper describes a specialized computer architecture for text retrieval that provides a wide range of query capabilities, without the use of indexes of the material retrieved. A distributed approach is employed, with direct search processors. Each search processor is closely associated with one or more disk drives that store the data to be searched and each consists of a comparator for matching query terms, logic elements to combine query terms, a disk controller and a control minicomputer.T ...

2 [Information retrieval session 8: efficiency: Operational requirements for scalable search systems](#)



Abdur Chowdhury, Greg Pass

November 2003 **Proceedings of the twelfth international conference on Information and knowledge management**

**Publisher:** ACM Press

Full text available: [pdf\(294.93 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Prior research into search system scalability has primarily addressed query processing efficiency [1, 2, 3] or indexing efficiency [3], or has presented some arbitrary system architecture [4]. Little work has introduced any formal theoretical framework for evaluating architectures with regard to specific operational requirements, or for comparing architectures beyond simple timings [5] or basic simulations [6, 7]. In this paper, we present a framework based upon queuing network theory for analyz ...

**Keywords:** operational requirements, search scalability


3 [A specialized computer architecture for text retrieval](#)



David C. Roberts

August 1978 **Proceedings of the fourth workshop on Computer architecture for non-numeric processing**

**Publisher:** ACM Press

Full text available:  pdf(677.91 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes a specialized computer architecture for text retrieval that provides a wide range of query capabilities, without the use of indexes of the material retrieved. A distributed approach is employed, with direct search processors. Each search processor is closely associated with one or more disk drives that store the data to be searched and each consists of a comparator for matching query terms, logic elements to combine query terms, a disk controller and a control minicompu ...

#### 4 [Hardware systems for text information retrieval](#)



Lee A. Hollaar

June 1983 **ACM SIGIR Forum , Proceedings of the 6th annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '83**, Volume 17 Issue 4

**Publisher:** ACM Press

Full text available:  pdf(747.80 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

As databases become very large, conventional digital computers cannot provide satisfactory response time. This is particularly true for text databases, which must often be several orders of magnitude larger than formatted databases to store a useful amount of information. Even the standard techniques for improving system performance (such as inverted files) may not be sufficient to give the desired performance, and the use of an unconventional hardware organization may become necessary. A variety ...

#### 5 [Web searching: Specialisation dynamics in federated web search](#)



Rinat Khoussainov, Nicholas Kushmerick

November 2004 **Proceedings of the 6th annual ACM international workshop on Web information and data management**

**Publisher:** ACM Press

Full text available:  pdf(138.32 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Organising large-scale Web information retrieval systems into hierarchies of topic-specific search resources can improve both the quality of results and the efficient use of computing resources. A promising way to build such systems involves federations of topic-specific search engines in decentralised search environments. Most of the previous research concentrated on various technical aspects of such environments (e.g. routing of search queries or merging of results from multiple sources). W ...

**Keywords:** competition, federated web search, topic specialisation

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